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**From:** MacNicholl, Peter@DTSC [Peter.MacNicholl@dtsc.ca.gov]  
**Sent:** 6/23/2017 5:43:22 PM  
**To:** Fennessy, Christopher (christopher.fennessy@Rocket.com) (christopher.fennessy@Rocket.com) [christopher.fennessy@Rocket.com]  
**CC:** Keller, Lynn [Keller.Lynn@epa.gov]; MacDonald, Alex@Waterboards [Alex.MacDonald@waterboards.ca.gov]; Rohrer, Jim@DTSC [Jim.Rohrer@dtsc.ca.gov]  
**Subject:** FW: California Vapor Intrusion Guidance  
**Attachments:** Small Building Vapor Intrusion Guidance\_Draft\_6-15-17.pdf

Hi All,

Attached is DTSC draft vapor intrusion guidance that is still under agency peer review. This draft guidance is not expected to change significantly but it sets the level of expectations that will be required for Area 40 and other related AR OUs.

Sincerely,



**Peter MacNicholl, P.E.**  
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**From:** Gallagher, Dan@DTSC  
**Sent:** Thursday, June 22, 2017 3:40 PM  
**To:** MacNicholl, Peter@DTSC  
**Subject:** California Vapor Intrusion Guidance

Peter,

As discussed in yesterday's meeting with Aerojet, the approach for assessing vapor intrusion in California is changing. California is adopting many aspects from USEPA's 2015 vapor intrusion guidance. Some items in the new approach include:

- Evaluation of sewers as a potential migration route and pathway of exposure.
- Soil gas, subslab, indoor air, and outdoor air sampling recommendations.
- Attenuation factors for the screening and evaluation of buildings.
- Passive samplers as an acceptable quantitative sampling technology for indoor air.
- Risk decision framework for mitigating and remediating sites.
- The J/E model should no longer be used for vapor intrusion evaluations.
- California-specific vapor intrusion database.

The draft guidance document is attached. Although it's not yet formal State guidance, it can provide a framework for communicating expectations to responsible parties such as Aerojet. But note that this guidance is draft and potentially subject to change. Please share this document with interested stakeholders as appropriate but with this understanding.

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